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Product datasheet for MC229682

Taf1 (NM_001290729) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taf1 (NM_001290729) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Taf1
Synonyms:	AU015687; B430306D02Rik; Ccg-1; Ccg1; KAT4; N-TAF1; p250; Taf2a; TAFII250
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229682 representing NM_001290729 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGGCCCGGGGTGGGCTGGGCTGCTGCAGGACAAGGGTGGCGGTAGCCCTTCCGTCGTCATGTCCGACA CAGACAGCGACGAAGAGTCGGCTGGTGGAGGCCCATTTTCTCTAACTGGGTTCCTGTTCGGCAACATCAA TGGAGCAGGGCAGTTGGAAGGCGAAAGCGTCTTGGATGACGAGTGCAAGAAGCATCTTGCGGGCTTGGGG GCTTTGGGTCTTGGCAGCCTGATCACTGAACTCACAGCAAATGAAGAATTGTCCGGGAGTGATGGTGCCC TGGTAAATGATGAAGGATGGATTAGGAGTAGAGAGGATGCTGTGGACTATTCTGACATCAACGAGGTGGC AGAAGATGAAAGTAGAAGATACCAGCAGACAATGGGAAGCTTGCAACCCCTTTGCCACACAGATTATGAT GAAGATGACTATGATGCTGATTGTGAAGATATTGATTGCAAATTGATGCCTCCTCCACCTCCACCCCCAG GACCACTGAAGAAAGAGAAGGACCAAGATGATATTACTGGTGTGTCTGAAGATGGAGAAGGCATCATCTT GCCCTCCATCATTGCCCCTTCCTCTTTGGCCTCAGAGAAAGTGGACTTCAGTAGTTCCTCTGACTCAGAA TCTGAGATGGGACCTCAGGACGCAGCACAGTCAGAATCTAAGGATGGACAGCTGACCCTACCATTGGCTG GGATTATGCAGCATGATGCCACGAAGCTGTTGCCAAGTGTCACAGAACTTTTTCCAGAATTTAGGCCTGG AAAGGTGTTACGCTTTTTACGGCTTTTTGGACCGGGGAAGAATGTTCCATCTGTTTGGAGGAGTGCTCGG AGAAAGAGGAAAAAGAAGCACCGTGAGCTTATACAGGAAGGGCAGGTCCAGGAAGAGGAGTGCTCAGTGG AATTAGAAGTCAACCAGAAATCTCTGTGGAACTATGACTATGCTCCTCCTCCACTTCCAGACCAGTGTCT CTCTGATGATGAAATCACAATGATGGCTCCTGTGGAGTCCAAGTTTTCCCAGTCAACTGGAGACACAGAT AAAGTAATGGATACCAAGCCAAGAGTGGCCGAATGGCGTTATGGACCTGCCCGGCTGTGGTATGATATGC TAGGTGTTCCTGAAGATGGCAGTGGCTTTGATTATGGCTTCAAAATGAAGAAGACTGAACATGAATCTAC AATAAAATGCAACATAATGAAGAAATTAAGGAAACTTGAGGAAAACAGTGGCGTCGATCTTCTGGCAGAT GAAAACTTCCTAATGGTGACACAGCTGCATTGGGAAGATGATATCATTTGGGATGGGGAGGATGTCAAAC ACAAAGGAACAAAACCTCAGCGTGCGAGTTTGGCAGGCTGGCTTCCTTCCAGTATGACTAGGAATGCCAT GGCCTACAATGTGCAGCAAGGTTTTACAGCTACATTGGATGATGATAAACCTTGGTACTCCATTTTCCCC ATTGATAATGAAGATCTGGTATATGGACGTTGGGAGGACAATATCATTTGGGATGCTCAGAACATGCCTA

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TCTGATGAATGA

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ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001290729

Insert Size: 5682 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM_001290729.1, NP_001277658.1

RefSeq Size: 8033 bp

RefSeq ORF: 5682 bp

Locus ID: 270627

UniProt ID: Q80UV9

Cytogenetics: X 44.29 cM

Gene Summary: Largest component and core scaffold of the TFIID basal transcription factor complex (PubMed:10438527). Contains novel N- and C-terminal Ser/Thr kinase domains which can autophosphorylate or transphosphorylate other transcription factors. Phosphorylates TP53 on 'Thr-55' which leads to MDM2-mediated degradation of TP53. Phosphorylates GTF2A1 and GTF2F1 on Ser residues. Possesses DNA-binding activity. Essential for progression of the G1 phase of the cell cycle. Exhibits histone acetyltransferase activity towards histones H3 and H4. [UniProtKB/Swiss-Prot Function]